



**The Internet Resources Guide
and
The Automatic Login Executor (ALEX)**

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INTERNET RESOURCE GUIDE

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INTERNET RESOURCES GUIDE

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Chapter 2: Library Catalogs

A large number of libraries allow access to their library catalogs via the Internet. Such catalogs can be very useful for finding uncommon books not available at a local library. Once a book is located, it can often be borrowed by your local library through Interlibrary Loan. Another popular use of library catalogs is to check citations or references. Many catalogs also support more extended reference facilities.

Please note that on-line catalogs often have a limited number of ports. Users are asked not to abuse their access.

We would like to acknowledge the considerable assistance of Ron Larsen, Art St. George, and Joe St. Sauver in compiling this section.

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MAGIC

Address:

Michigan State University Libraries
East Lansing, MI 48824-1056

E-mail: Thomas Albright, Head Library Systems: 20676tea@msu.bitnet

Phone: 517-383-8700 (MSU Libraries Information/Reference)

Description

MAGIC is a computer-based library catalog of more than 1.3 million unique book, serial, microform, and other non-book titles in the Michigan State University Libraries.

Network Access

To access using IBM 3270 emulation:

TN3270 to magic.msu.edu (35.8.2.99).

At the VM 370 screen press the *enter* key.

At the logon screen enter "Dial MAGIC".

Press *enter* to get the MAGIC introductory screen.

To exit from MAGIC, use your local escape sequence to return to the TN 3270 program and close the network connection.

To access using Telnet (VT100, VT200 emulation):

Telnet to merit.msu.edu (35.8.2.56).

Enter "MAGIC" at the "Which Host?" prompt.

Enter "VT100" as your terminal type. The MAGIC introductory screen will be displayed.

To exit from MAGIC, press *CTRL-E* and then enter "%quit"

Who Can Use the Resource

MAGIC is available to anyone, without any restrictions.

Miscellaneous Information

For questions concerning network access contact:

Computing Information Center

MSU Computing Laboratory

consult@msu.edu

(517) 353-1800

For written instructions on how to use MAGIC, write to :

MSU Libraries

Information/Reference

(517) 353-8700

The information in this section is provided in accordance with the copyright notice appearing at the front of this guide.

How to Get and Use
the
INTERNET RESOURCE GUIDE

This README document contains, first, a discussion of the Internet Resource Guide, and then (for those who need them), nitty-gritty details about PostScript files, FTP, and the Unix commands "compress," "uncompress," and "tar."

The Internet Resource Guide hierarchy is organized as follows.

Material is divided up into chapter and section. Each chapter has its own directory, and each section has its own files, one for PostScript and one for plain text.

So, to retrieve section 1.1 of chapter 1, you should FTP the files

resource-guide/chapter.1/section1-1.ps (Postscript)
resource-guide/chapter.1/section1-1.txt (Text)

To simplify retrieval of entire chapters and chapter updates, or of the entire resource guide, you can FTP compressed tar files. The tar files for individual chapters include the recently updated sections, and both the PostScript and text files.

resource-guide/chapter1.tar.Z

The most recent changes to a chapter are in a file named chapter#-changes.tar.Z. These include only the most recently updated sections!

INTERNET RESOURCES GUIDE AVAILABILITY

- The Internet Resources Guide (IRG) is available
via anonymous ftp from
nnsf.nsf.net
in the /resources-guide directory
- The "How to Get and Use the IRG" README file
is available
via anonymous ftp from
 - a) nnsf.nsf.net in the /resources-guide
directory as file README
 - b) dftsrv.gsfc.nasa.gov. in the /pub
directory as file README-resource-
guide

Automatic Login Executor (ALEX)

Overview

- Designed to perform remote logins to most resources listed in the Internet Resource Guide.⁽¹⁾
- Operates with menus, and provides a help screen.
- Uses the telnet utility, so that the login is transparent to the user.
- Implemented as "standalone"⁽²⁾ software which users copy and/or ftp to their workstation.
- Written in two different languages, DCL and C shell, so that both VMS and UNIX based workstations can utilize it.
- Also known as the Son of NICOLAS.

⁽¹⁾ As of July 1990

⁽²⁾ Assumes user workstation has TCP/IP-based telnet capability

ALEX Implementations*

DCL Version

- Written for VAX computers running VMS with MultiNet.
- Total of 143 files.
- Main Driver is ALEX.MAIN.
- Specialized comfiles to clear the screen, use a more utility, etc.
- Remaining text and comfiles refer to a specific host.

C shell Version

- Written for computers with the UNIX operating system.
- Total of 152 files.
- Main driver is alexu.
- Various executable files that clear the screen, accept input, etc.
- The remaining text and executables refer to a specific host.

* Version 1.0 codes for both the DCL and C shell versions were developed by James Landry/USRA/930.4

Top Menu of ALEX

ALEX v.1.0 -- Son of NICOLAS

TOP MENU

- [0] Source of Information
- [1] Computational Resources
- [2] Library Catalogs
- [3] Data Archives
- [4] White Pages
- [5] Networks
- [6] Network Information Centers
- [M] Miscellaneous Resources
- [N] NICOLAS Connections
- [A] ALEX Access and Use


[H]elp.[Q]uit.[T]op--> 

Library Menu of ALEX

ALEX v.1.0 -- Son of NICOLAS

Library Catalogs Menu
(All of these choices to edify yourself)

- [2_01] Boston University (TOMUS)
- [2_02] Univ. California and California St. (MELVYL)
- [2_03] Colorado Alliance of Research Libraries
- [2_04] Research Libraries Information Network (RLIN)
- [2_05] Florida Center for Library Automation
- [2_06] MIRLYN, The University of Michigan's Online Catalog
- [2_07] University of New Mexico Gateway
- [2_08] Emory University Libraries Online Public Access Catalog
- [2_09] MAGIC
- [2_10] Info-Lib
- [2_11] InfoTrax
- [2_12] ARLO, The Library Catalog for U of C at Colorado Springs
- [2_13] The Catalog of the University of Pennsylvania Libraries
- [2_14] U of W Madison and Milwaukee Network Library System (NLS)
- [2_15] University of Utah Library Card Catalog System
- [2_16] Northwestern University LUIS Online Catalog
- [2_17] URSUS, University of Maine System Library Catalog
- [2_18] University of Illinois at Chicago NOTIS/LUIS

[H]elp.[Q]uit.[T]op--> 

Example of ALEX Selection 2_09

ALEX v.1.0 (JWL) -- Son of NICOLAS

Warning:

It is very difficult to get out of MAGIC.

Let the user beware...

The people who designed MAGIC say the best way to get out is to type Control E and then enter '%quit'.

If you wish to leave, input 'e'.

Press any other key to continue...

Okay, you asked for it.

We're going into MAGIC now...

```
($ telnet 35.8.2.56
```

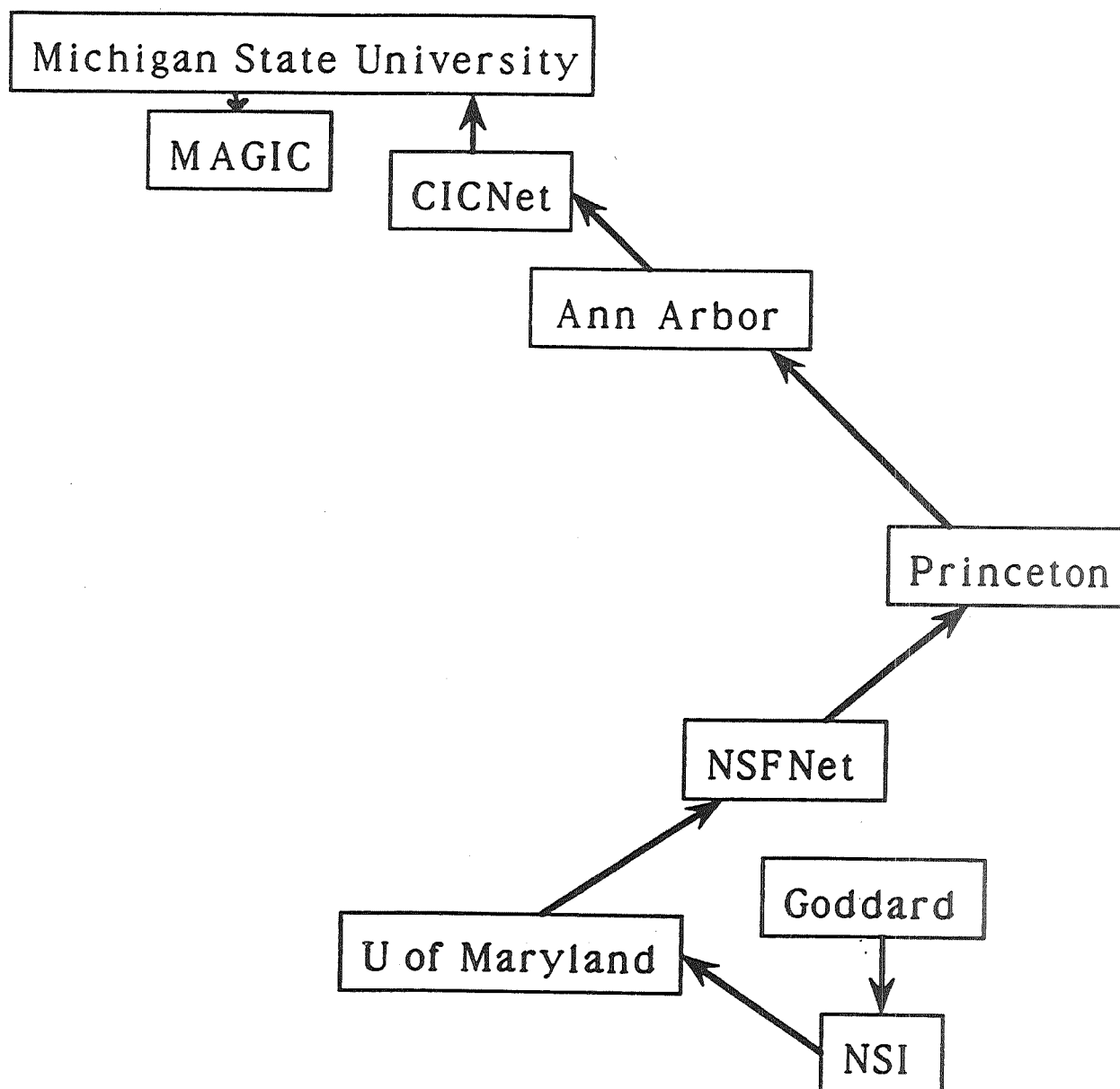
```
MAGIC
```

```
VT100
```

```
$ exit)
```

The Path of ALEX

Selection 2_09



ALEX Availability

- The file README-alex containing "Access and Use of the Automatic Login Executor (ALEX) is available via anonymous ftp from dftsrv.gsfc.nasa.gov in the /pub directory
- The DCL version of ALEX for VMS systems is available
 - 1) via anonymous ftp from:
 - a) dftsrv.gsfc.nasa.gov in the /alex/dcl-alex directory
 - b) dftnic.gsfc.nasa.gov in the alex directory
 - 2) via DECnet copy from:
dftnic::cldata:[anonymous-ftp.files.alex]
- The C shell version of ALEX for UNIX systems is available via anonymous ftp from
dftsrv.gsfc.nasa.gov in the /alex/csh-alex
directory